



REVOCATION OF PRIOR POWERS OF ATTORNEY APPOINTMENT OF NEW POWERS OF ATTORNEY AND

CHANGE OF CORRESPONDENCE ADDRESS

in re

Applicant/Patent Owner: SIEMENS VDO AUTOMOTIVE CORPORATION

Application No.: 10/797,905

Filing Date: 3/9/2004

Publication No.: 2004-0249876

Publication Date: 12/9/2004

Patent No.: 7071759

Issue Date: 7/4/2006

Entitled: Method for Determining RMS Values For Grid-Linked Converters

Siemens VDO Automotive Corporation, a Delaware corporation, as assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment averred per the attached Statement Under 37 CFR 3.73(b), hereby:

a) revokes all previous powers of attorney given in the above-identified application.

b) appoints all Practitioners associated with the Customer Number: 028524 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

c) requests change the correspondence address for the above-identified application to the address associated with the above-mentioned Customer Number.

19 July 2007

Laura M. Slenzak

Assistant Secretary for Intellectual Property Matters

Siemens VDO Automotive Corporation

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: SIEMENS VDO AUTOMOTIVE CORPORATION

Application No.: 10/797,905

Filing Date: 3/9/2004

Publication No.: 2004-0249876

Publication Date: 12/9/2004

AUG 0 1 200

Patent No.: 7071759

Issue Date: 7/4/2006

Entitled: Method for Determining RMS Values For Grid-Linked Converters

Siemens VDO Automotive Corporation, a Delaware corporation, states that it is: the assignee of the entire right, title, and interest in the patent application/patent identified above by virtue of an assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 019077, Frame 0840, for which a copy thereof is attached.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was already submitted for recordation pursuant to 37 CFR 3.11.

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

19 July 2007

Laura M Stenzak

Assistant Secretary for Intellectual Property Matters

Siemens VDO Automotive Corporation



Patent Assignment Details NOTE:Résults display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages:

7

	Reel/Frame: <u>0190/</u>	7/0840			Pages:	/		
			Recorded:	3/28/2007				
Total proper	Conveyance: CHANC	SE OF NAME (SE	E DOCUMENT FO	R DETAILS).			1,144,5	
iotal proper	ues: 104	erandus samentelluserana remandis de l'escale	namen ar terramental anno an Faire an Said an Air an Aire an A	s man a second and a	and the second s			
1	Patent #:> Title: SWITC	<u>5402059</u> HING POWER SU	Issue Dt: JPPLY OPERATIN		Application #: NO LOAD	8193587	Filing Dt:	2/8/1994
2	Patent #: Title: FAULT	5469351 ISOLATION IN A	Issue Dt: INDUCTION M		Application #:: L SYSTEM	8270967	Filing Dt:	7/5/1994
3	Patent #: Title: THREE	5552977 PHASE INVERTE	Issue Dt: R CIRCUIT WITH		Application #: ANSITION FROM SV			6/20/1995 ATION
4	Patent #: Title: INDUC	<u>5627446</u> TION MOTOR CO	Issue Dt: ONTROL METHOD		Application #:	8498163	Filing Dt:	7/5/1995
.5	Patent #: Title: MACHI	<u>5619435</u> INE	Issue Dt:	4/8/1997	Application #:	8558950	Filing Dt:	11/13/1995
6	Patent #: Title: INDUC	5739664 TION MOTOR DE	Issue Dt:		Application #:	8596846	Filing Dt:	2/5/1996
7	Patent #: Title: INDUC	<u>5754026</u> TION MOTOR CO	Issue Dt:		Application #:	8825986	Filing Dt:	4/4/1997
· 8	Patent #: Title: BACKL	<u>5821720</u> ASH ELIMINATIO	Issue Dt: ON IN THE DRIVE		Application #:	8846442	Filing Dt:	4/30/1997
9	Patent #: Title: TORSI	<u>5994859</u> ONAL OSCILLAT	Issue Dt:		Application #:		Filing Dt:	4/30/1997
10	Patent #: Title: VIBRA	6072297 TION DETECTION	Issue Dt: N AND CONTROL		Application #: DRIVETRAIN	8926415	Filing Dt:	9/9/1997
11	Patent #: Title: VOLTA	6047787 AGE CONTROL ME	Issue Dt:	•	Application #: R CONTROL SYSTEM		Filing Dt:	2/3/1998
12	Patent #: Title: POLE-	<u>5977679</u> PHASE MODULAT	Issue Dt:		Application #: N INDUCTION MACH		Filing Dt:	3/5/1998
13	Patent #: Title: METHO	5905349 DD OF CONTROL	Issue Dt:		Application #: IN AN ELECTRIC VI		Filing Dt:	4/23/1998
14	Patent #: Title: ROTO	<u>5965967</u> R FOR AN ELECT	Issue Dt:	10/12/1999	Application #:	9110353	Filing Dt:	7/6/1998
15	Patent #: Title: INÇRE	6246343 MENT ENCODER	Issue Dt:	,	Application #:	9263303	Filing Dt:	3/5/1999
16	Patent #: Title: VEHIC	6122588 LE SPEED CONTI	Issue Dt:		Application #: ABLE BRAKING TOR		Filing Dt:	10/19/1999
17	Patent #: Title: COUP	6307275 LED TO AN INDU	Issue Dt: STRIAL TURBO E		Application #:	9495443	Filing Dt:	1/31/2000
18	Patent #:	6377019	Issue Dt:		Application #:		Filing Dt:	2/10/2000



Patent Assignment Details <u>NOTE:Results display only for issued patents and published applications. For pending or</u> abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages:

7

	Reel/Frame: 019				Pages:	!		
			Recorded:	3/28/2007				
	Conveyance: CH/	ANGE OF NAME (SEE				nerowici (Station of State and State		
Total proper	tles: 104				F1 445	100		
10	Datast #s	ennieze	Toous Dto	E/20/2001	Application #s	0503060	Ellian Des	2/11/2000
, 19	Patent #:	<u>6239575</u>	Issue Dt:		Application #:	9202009	Filing Dt:	2/11/2000
	intie: Ind	uction motor power/t	orque ciamping) for electric veni	сіе репогталсе			
20	Patent #:	6330143	Issue Dt:	12/11/2001	Application #:	9512480	Filing Dt:	2/23/2000
		omatic over-current i				3322.00		_,,,
	i i i i i i i i i i i i i i i i i i i	ombac over content p	protection of the	3113131013				
21	Patent #:	6169679	Issue Dt:	1/2/2001	Application #:	9532796	Filing Dt:	3/21/2000
	Title: Met	thod and system for s	synchronizing ti	ne phase angles	of parallel connecte	d'inverters		
- **						العاد عادي	e alle	
22	Patent #:	<u>6291960</u>	Issue Dt:		Application #:		Filing Dt:	3/22/2000
	Title: Pul	se width modulated n	notor control sy	stem and metho	d for reducing noise	vibration a	and harshness	
23	Patent #:	6327524	Issue Dt:	17/4/2001	Application #:	0561546	Filing Dt:	4/28/2000
23		6327324 stem for high efficience	•		Application is:	9301540	i ming Dt.	4/20/2000
	Little: 342	dem for high emicient	y motor contro	л				
24	Patent #:	6366049	Issue Dt:	4/2/2002	Application #:	9567592	Filing Dt:	5/10/2000.
•	Title: Mol	tor starter and speed	controller syst	em			• -	*****
	A (A			•				
25	Patent #:	<u>6178103</u>	Issue Dt:	1/23/2001	Application #:	9567965	Filing Dt:	5/10/2000
	Title: Mel	thod and circuit for sy	ynchronizing pa	irallel voltage soi	urce inverters			
26	Patent #:	6212005	Tagua Dta	4/2/2001	Application #1	0503613	Eiling Dt.	6/13/2000
26	1.1.1	<u>6212085</u>	Issue Dt:		Application #:	3333013	Filing Dt:	0/13/2000
	ritie: inte	egrated dual voltage	sourcea inverte	er				
27	Patent #:	6362988	Issue Dt:	3/26/2002	Application #:	9606865	Filing Dt:	6/29/2000
	Title: OP	ERATION WITH A GR		.,,			•	• •
		_,,	-					
28	Patent #:	<u>6239997</u>	Issue Dt:	5/29/2001	Application #:	9653478	Filing Dt:	9/1/2000
	Title: Me	thod and system for o	connecting and	synchronizing a	supplemental powe	r source to	a power grid	
	3 • • • • • • • • • • • • • • • • • • •	6000440		54.45000	A	0650654	enti- pi	014 12000
29	Patent #:	<u>6388419</u>	Issue Dt:	5/14/2002	Application #:	9653654	Filing Dt:	9/1/2000
	iitje: Moi	tor control system						
30 .	Patent #:	6572416	Issue Dt:	6/3/2003	Application #:	9682976	Filing Dt:	11/5/2001
	Publication #: US		Pub Dt:	5/8/2003			; 9 ; ;	
	· · · · -	REE-PHASE CONNECT	• • • •	• • • • • • • • • • • • • • • • • • • •	IVETRAIN			
	.,							
31	Patent #:	<u>6646837</u>	Issue Dt:	11/11/2003	Application #:	9682994	Filing Dt:	11/6/2001
	Publication #: US	<u>20020190580</u>	Pub Dt:	12/19/2002				
	Title: AC	TIVE GROUND CURRE	NT REDUCTIO	N DEVICE				
32	Patent #:	<u>6744158</u>	Issue Dt:		Application #:	9683018	Filing Dt:	11/8/2001
	Publication #: US		Pub Dt:	7/11/2002				
	Title: ELE	ECTRIC MACHINE WIT	TH COOLING R	INGS				
33	Patent #:	6631960	Issue Dt:	10/14/2003	Application #:	9683171	Filing Dt:	11/28/2001
73	Publication #: US		Pub Dt:	7/17/2003	- deleccine and a second	50051.1		,,
		RIES REGENERATIVE			YSTEMS AND METH	വാട		
	Little: 20	VIES VEGENERALINE	DISPLANCE TORI	SOF CONTROL 2	TOTALITY AND METER	JJJ		
34	Patent #:	6496393	Issue Dt:	12/17/2002	Application #:	9683172	Filing Dt:	11/28/2001
		EGRATED TRACTION	INVERTER MO					, ,
	<u> </u>	à		* . .			_i	
35	Patent #:	<u>6465977</u>	Issue Dt:	10/15/2002	Application #:	9683176	riling Dt:	11/29/2001





Patent Assignment Details

NOTE:Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages:

7

11/29/2001

Recorded: 3/28/2007
Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

Title: SYSTEM AND METHOD FOR CONTROLLING TORQUE IN AN ELECTRICAL MACHINE

36 Patent #: 6630809 Issue Dt: 10/7/2003 Application #: 9683180 Filing Dt:

36 Patent #: 6630809 Issue Dt: 10/7/2003 Applicat
Publication #: US20030098665 Pub Dt: 5/29/2003

Title: SYSTEM AND METHOD FOR INDUCTION MOTOR CONTROL

37' Patent #: 6639334 Issue Dt: 10/28/2003 Application #: 9683199 Filing Dt: 11/30/2001

Publication #: US20030102728 Pub Dt: 6/5/2003

Title: JET IMPINGEMENT COOLING OF ELECTRIC MOTOR END-WINDINGS

38 Patent #: 6452352 Issue Dt: 9/17/2002 Application #: 9705236 Filing Dt: 11/2/2000

Title: CURRENT GENERATING SYSTEM

39 Patent #: 6445095 Issue Dt: 9/3/2002 Application #: 9758871 Filing Dt: 1/11/2001

Publication #: US20020089242 Pub Dt: 7/11/2002
Title: ELECTRIC MACHINE WITH LAMINATED COOLING RINGS

40 Patent #: 6636429 Issue Dt: 10/21/2003 Application #: 9957001 Filing Dt: 9/20/2001

Publication #: US20020126465 Pub Dt: 9/12/2002

Title: LEVEL

41 Patent #: 6793502 Issue Dt: 9/21/2004 Application #: 9957047 Filing Dt: 9/20/2001

Publication #: US20020111050 Pub Dt: 8/15/2002

Title: PRESS (NON-SOLDERED) CONTACTS FOR HIGH CURRENT ELECTRICAL CONNECTIONS IN POWER MODULES

42 Patent #: 6845017 Issue Dt: 1/18/2005 Application #: 9957568 Filing Dt: 9/20/2001

Publication #: <u>US20020118560</u> Pub Dt: 8/29/2002

Title: SUBSTRATE-LEVEL DC BUS DESIGN TO REDUCE MODULE INDUCTANCE

43 Patent #: 6707270 Issue Dt: 3/16/2004 Application #: 10010307 Filing Dt: 11/13/2001

Publication #: <u>US20030090226</u> Pub Dt: 5/15/2003

Title: SYSTEM AND METHOD FOR INDUCTION MOTOR CONTROL

44 Patent #: 7012810 Issue Dt: 3/14/2006 Application #: 10109555 Filing Dt: 3/27/2002

Publication #: <u>US20020167828</u> Pub Dt: 11/14/2002

Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE

45 Patent #: 6919650 Issue Dt: 7/19/2005 Application #: 10159603 Filing Dt: 5/31/2002

Publication #: <u>US20030222507</u> Pub Dt: 12/4/2003

Title: HYBRID SYNCHRONIZATION PHASE ANGLE GENERATION METHOD

46 Patent #: 6700342 Issue Dt: 3/2/2004 Application #: 10208251 Filing Dt: 7/29/2002

Publication #: <u>US20030030395</u> **Pub Dt:** 2/13/2003

Title: LIMITED POSITION INFORMATION

47 Patent #: 6815925 Issue Dt: 11/9/2004 Application #: 10293911 Filing Dt: 11/12/2002

Publication #: US20040090205 Pub Dt: 5/13/2004

Title: SYSTEMS AND METHODS FOR ELECTRIC MOTOR CONTROL

48 Patent #: 6778411 Issue Dt. 8/17/2004 Application #: 10298473 Filing Dt: 11/18/2002

Publication #: <u>US20040095786</u> Pub Dt: 5/20/2004

Title: STARTUP APPARATUS AND METHOD FOR POWER CONVERTERS



Patent Assignment Details

NOTE:Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: <u>019077/0840</u> Pages: 7

Recorded: 3/28/2007
Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

49 Patent #: 6714424 Issue Dt: 3/30/2004 Application #: 10306833 Filing Dt: 11/27/2002 Publication #: US20040037097 Pub Dt: 2/26/2004

Title: DEAD-TIME COMPENSATION WITH NARROW PULSE ELIMINATION IN SOLID-STATE SWITCH DEVICES

50 Patent #: 6861835 Issue Dt: 3/1/2005 Application #: 10309793 Filing Dt: 12/3/2002

Publication #: <u>US20040104718</u> Pub Dt: 6/3/2004

Title: METHOD AND SYSTEM FOR NON-INVASIVE POWER TRANSISTOR DIE VOLTAGE MEASUREMENT

51 Patent #: 7106564 Issue Dt: 9/12/2006 Application #: 10328934 Filing Dt: 12/23/2002

Publication #: <u>US20030147191</u> Pub Dt: 8/7/2003

Title: DEVICES AND METHODS FOR DETECTING ISLANDING OPERATION OF A STATIC POWER SOURCE

52 Patent #: 7190145 Issue Dt: 3/13/2007 Application #: 10334198 Filing Dt: 12/30/2002

Publication #: <u>US20030164692</u> **Pub Dt:** 9/4/2003

Title: METHOD AND APPARATUS FOR IMPROVING SPEED MEASUREMENT QUALITY IN MULTI-POLE MACHINES

53 Patent #: 6914354 Issue Dt: 7/5/2005 Application #: 10334820 Filing Dt: 12/30/2002

Publication #: <u>US20030173840</u> Pub Dt: 9/18/2003

Title: ASSEMBLY AND METHOD FOR DIRECT COOLING OF MOTOR END-WINDING

54 Patènt #: 6853940 Issue Dt: 2/8/2005 Application #: 10345871 Filing Dt: 1/15/2003

Publication #: <u>US20030165036</u> Pub Dt: 9/4/2003

Title: ANTI-ISLANDING DEVICE AND METHOD FOR GRID CONNECTED INVERTERS USING RANDOM NOISE INJECTION

55 Patent #: 6844701 Issue Dt: 1/18/2005 Application #: 10345872 Filing Dt: 1/15/2003

Publication #: US20030164028 Pub Dt: 9/4/2003

Title: OVERMODULATION SYSTEMS AND METHODS FOR INDUCTION MOTOR CONTROL

56 Patent #: 6937483 Issue Dt: 8/30/2005 Application #: 10345894 Filing Dt: 1/15/2003

Publication #: US20030198064 Pub Dt: 10/23/2003

Title: DEVICE AND METHOD OF COMMUTATION CONTROL FOR AN ISOLATED BOOST CONVERTER

57 Patent #: 6843749 Issue Dt: 1/18/2005 Application #: 10346554 Filing Dt: 1/16/2003

Publication #: US20030155165 Pub Dt: 8/21/2003

Title: APPARATUS AND METHOD TO ACHIEVE MULTIPLE EFFECTIVE RATIOS FROM A FIXED RATIO TRANSAXLE

58 Patent #: <u>7014928</u> Issue Dt: 3/21/2006 Application #: 10346561 Filing Dt: 1/16/2003

Publication #: US20030157379 Pub Dt: 8/21/2003

Title: DIRECT CURRENT/DIRECT CURRENT CONVERTER FOR A FUEL CELL SYSTEM

59 Patent #: 6894450 Issue Dt: 5/17/2005 Application #: 10346724 Filing Dt: 1/16/2003

Publication #: <u>US20030214266</u> Pub Dt: 11/20/2003

Title: CIRCUIT CONFIGURATION FOR PERMANENT MAGNET SYNCHRONOUS MOTOR CONTROL

60 Patent #: 7012822 Issue Dt: 3/14/2006 Application #: 10360832 Filing Dt: 2/7/2003

Publication #: US20030214826 Pub Dt: 11/20/2003

Title: INTEGRATED TRACTION INVERTER MODULE AND DC/DC CONVERTER

61 Patent #: 6890218 Issue Dt: 5/10/2005 Application #: 10443646 Filing Dt: 5/21/2003

Publication #: US20040033729 Pub Dt: 2/19/2004

Title: THREE-PHASE CONNECTOR FOR ELECTRIC VEHICLE DRIVETRAIN





Patent Assignment Details NOTE:Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff

	ed applications please consult USPTO staff. Reel/Framé: 019077/0840				Pages:	7		
			Recorded:	3/28/2007				
	Conveyance:	CHANGE OF NAME (SEE	DOCUMENT FO	R DETAILS).	والمنافئة المنطقة والمنافضة	makker di Makau, ub waare - u	موموموس بغويد	مورد د د د د د د د د د د د د د د د د د د
l prope	rties: 104	n anakana na kuje i 1 to ka 1886 - Kalain - A	ing Managaran kanangan pangan sa		energy and a second		and the second	
62	Patent #:	6927988	Issue Dt:	8/9/2005	Application #:	10447708	Filina Dt:	5/28/200
-		US20040034508	Pub Dt:	2/19/2004				-,,
		CONVERTER CIRCUITS		, ,				
63	Patent #:		Issue Dt:		Application #:	10449824	Filing Dt:	5/30/200
		<u>US20040036434</u>	Pub Dt:	2/26/2004				
	iitie	METHOD AND APPARAT	US FOR MOTOR	CONTROL				
64	Patent #:	6845020	Issue Dt:	1/18/2005	Application #:	10453920	Filing Dt:	6/2/200
	Publication #:	US20040027839	Pub Dt:	2/12/2004				
	Title:	POWER CONVERTER SY	STEM					
65.	Patent #:		Issue Dt:		Application #:	10461933	Filing Dt:	6/13/200
		US20040252531	Pub Dt:	12/16/2004				
	ı ıtıe:	MULTILEVEL INVERTER	CONTROL SCH	:MES				-
66	Patent #:	6900643	Issue Dt:	5/31/2005	Application #:	10637754	Filing Dt:	8/6/200
	Publication #:	US20050030045	Pub Dt:	2/10/2005				
	Title:	RIDE THROUGH IN ELE	CTRONIC POWE	R CONVERTERS				
67.	Patent #:	6906404	Issue Dt:	6/14/2005	Application #:	10642391	Filing Dt:	8/14/200
	Publication #:	US20040227231	Pub Dt:	11/18/2004				
	Title:	POWER MODULE WITH	VOLTAGE OVER	SHOOT LIMITIN	G			
68	Patent #:		Issue Dt:	1/17/2006	Application #:	10642424	Filing Dt:	8/14/200
	•	US20040228094	Pub Dt:	11/18/2004	_			
	Title	DUAL POWER MODULE	POWER SYSTEM	ARCHITECTUR	E			
69	Patent #:		Issue Dt:	6/6/2006	Application #:	10658124	Filing Dt:	9/9/200
	The state of the s	<u>US20050055496</u>	Pub Dt:	3/10/2005				
	Title	EEPROM EMULATION II	N FLASH MEMOR	, Λ ,				
70	Patent #:	1 6 1	Issue Dt:		Application #:	10658804	Filing Dt:	9/9/200
		US20060274561	Pub Dt:	12/7/2006				
	Title:	Tri-level inverter						
71	Patent #:	NONE	Issue Dt:		Application #:	10664808	Filing Dt:	9/17/200
	Publication #:	US20040230847	Pub Dt:	11/18/2004			•	,
	Title	Power converter archite	ecture employing	g at least one ca	pacitor across a DO	bus		
72	Patent #:	7019996	Issue Dt:	3/28/2006	Application #:	10688834	Filing Dt:	10/16/200
	Publication #:	US20050083714	Pub Dt:	4/21/2005				
	Title	POWER CONVERTER EN	APLOYING A PLA	NAR TRANSFOR	MER			
73	Patent #:	NÔŅE	Issue Dt:		Application #:	10713552	Filing Dt:	11/14/200
	Publication #:	US20050105229	Pub Dt:	5/19/2005				
	Title:	Two-level protection fo	r uninterrupted	power supply				
74	Patent #:	6940735	Issue Dt:	9/6/2005	Application #:	10713767	Filing Dt:	11/14/200
	Publication #:	US20050105306	Pub Dt:	5/19/2005			-	



88



United States Patent and Trademark Office

Patent Assignment Details

NOTE:Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840 Pages: Recorded: 3/28/2007

Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104 5/16/2006 Application #: 11003542 Filing Dt:

Patent #: 7046535 **Issue Dt:** Publication #: US20050152100 Pub Dt: 7/14/2005

Title: ARCHITECTURE FOR POWER MODULES SUCH AS POWER INVERTERS

89 Patent #: NONE Issue Dt: Application #: 11010560 Filing Dt: 12/13/2004

12/3/2004

Publication #: US20050152101 Pub Dt: 7/14/2005 Title: Architecture for power modules such as power inverters

Issue Dt: Application #: 11010561 Filing Dt: 90 Patent #: NONE 12/13/2004

Publication #: <u>US20050162875</u> Pub Dt: 7/28/2005 Title: Architecture for power modules such as power inverters

Issue Dt: Application #: 11010950 Filing Dt: 12/13/2004 91

Patent #: NONE Publication #: US20060007721 **Pub Dt:** 1/12/2006

Title: Architecture for power modules such as power inverters Issue Dt: Application #: 11095035 Filing Dt: 3/30/2005 92 Patent #: NONE

Publication #: US20050253543 Pub Dt: 11/17/2005

Title: Method, apparatus and article for vibration compensation in electric drivetrains

Application #: 11096236 Filing Dt: 93 Patent #: NONE Issue Dt: 3/30/2005

Publication #: <u>ÚS20050254273</u> Pub Dt: 11/17/2005

Title: Method, apparatus and article for bi-directional DC/DC power conversion

Patent #: NONE Application #: 11192321 Filing Dt: 7/28/2005 94 **Issue Dt:**

Publication #: US20060022541 Pub Dt: 2/2/2006

Title: Rotor hub and assembly for a permanent magnet power electric machine

7187558 Issue Dt: 3/6/2007 Application #: 11245723 Filing Dt: 10/6/2005 95 Patent #:

Publication #: US20060028806 Pub Dt: 2/9/2006

Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE

Application #: 11250180 Filing Dt: 96 Patent #: NONÉ **Tssue Dt:** 10/12/2005

Publication #: <u>US20070080655</u> Pub Dt: 4/12/2007

Title: Method, apparatus and article for detecting rotor position

97 Issue Dt: Application #: 11255162 Filing Dt: 10/20/2005 Patent #: NONE

Publication #: US20060152085 Pub Dt: 7/13/2006

Title: Power system method and apparatus

Application #: 11262519 Filing Dt: 10/27/2005 98 Patent #: NONE Issue Dt:

Publication #: US20070097569 Pub Dt: 5/3/2007

Title: System and method of over voltage control for a power system

99 Issue Dt: Application #: 11282301 Filing Dt: 11/18/2005 Patent #: NONE

Pub Dt: Publication #: <u>US20070114954</u> 5/24/2007

Title: System and method of commonly controlling power converters

7193860 100 Issue Dt: 3/20/2007 Application #: 11292870 Filing Dt: 12/2/2005 Patent #:

Publication #: US20060082983 Pub Dt: 4/20/2006

Title: LEADFRAME-BASED MODULE DC BUS DESIGN TO REDUCE MODULE INDUCTANCE





Patent Assignment Details

NOTE:Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Reel/Frame: 019077/0840

Pages: 3/28/2007

Recorded: Conveyance: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Total properties: 104

102°

103

104

101 Patent #: NONE

Application #: 11317658 Filing Dt:

12/22/2005

Publication #: US20070147097

Pub Dt:

6/28/2007

Title: house keeping power supply

Patent #: NONE Issue Dt:

Application #: 11318166 Filing Dt: 12/23/2005

Publication #: <u>US20060099463</u>

Pub Dt:

5/11/2006

Title: Direct current/direct current converter for a fuel cell system

6/20/2006

Patent #: NONE

Issue Dt:

Application #: 11472486 Filing Dt:

Publication #: <u>US20070012492</u>

Pub Dt:

1/18/2007

Patent #: NONE

Issue Dt:

Application #: 11480311 Filing Dt: 6/29/2006

Publication #: US20070016340

Pub Dt: 1/18/2007

Title: Controller method, apparatus and article suitable for electric drive

Title: Power generation system suitable for hybrid electric vehicles

Assignor

1 BALLARD POWER SYSTEMS CORPORATION

1 SIEMENS VDO AUTOMOTIVE CORPORATION

2400 EXECUTIVE HILLS BLVD.

AUBURN HILLS, MICHIGAN 48326-2980

Correspondence name and address

ELSA KELLER SIEMENS CORPORATION INTELLECTUAL ET AL 170 WOOD AVENUE SOUTH **ISELIN, NJ 08830**

Search Results as of: 07/19/2007 02:11 PM

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350 v.2.0.1 Web interface last modified: April 20, 2007 v.2.0.1